

WHAT IS CLAIMED IS:

1. A method of patterning a thin film comprising the steps of:

forming at least one strippable film on a surface of a thin film to be patterned;

patterning said at least one strippable film and said thin film to be patterned by using focused ion beam; and

removing said at least one strippable film.

2. The method as claimed in claim 1, wherein said at least one strippable film is an insulating organic film.

3. The method as claimed in claim 1, wherein said at least one strippable film is a conductive organic film.

4. The method as claimed in claim 1, wherein said at least one strippable film is an insulating organic film and a conductive film formed on said insulating organic film.

5. The method as claimed in claim 4, wherein said conductive film is a grounded film

6. The method as claimed in claim 4, wherein said conductive film is a metallic material film.

7. The method as claimed in claim 4, wherein said  
conductive film is a conductive organic film.

8. A method of manufacturing a thin-film device, at least  
a part of a thin-film pattern being fabricated by using a  
thin-film patterning method, said thin film patterning method  
comprising the steps of:

forming at least one strippable film on a surface of a  
thin film to be patterned;

patterning said at least one strippable film and said  
thin film to be patterned by using focused ion beam; and

removing said at least one strippable film.

9. A method of manufacturing a thin-film magnetic head, at  
least a part of a thin-film pattern being fabricated by using  
a thin-film patterning method, said thin film patterning  
method comprising the steps of:

forming at least one strippable film on a surface of a  
thin film to be patterned;

patterning said at least one strippable film and said  
thin film to be patterned by using focused ion beam; and

removing said at least one strippable film.

10. A method of patterning a thin film comprising the steps  
of:

forming at least one strippable film;

patterning said at least one strippable film by using  
focused ion beam;

forming a thin film to be patterned by using said  
patterned at least one strippable film; and

removing said patterned at least one strippable film.

11. The method as claimed in claim 10, wherein said at  
least one strippable film is an insulating organic film.

12. The method as claimed in claim 10, wherein said at  
least one strippable film is a conductive organic film.

13. The method as claimed in claim 10, wherein said at  
least one strippable film is an insulating organic film and a  
conductive film formed on said insulating organic film.

14. The method as claimed in claim 13, wherein said  
conductive film is a grounded film

15. The method as claimed in claim 13, wherein said  
conductive film is a metallic material film.

16. The method as claimed in claim 13, wherein said  
conductive film is a conductive organic film.

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17. A method of manufacturing a thin-film device, at least a part of a thin-film pattern being fabricated by using a thin-film patterning method, said thin film patterning method comprising the steps of:

forming at least one strippable film;

patterning said at least one strippable film by using focused ion beam;

forming a thin film to be patterned by using said patterned at least one strippable film; and

removing said patterned at least one strippable film.

18. A method of manufacturing a thin-film magnetic head, at least a part of a thin-film pattern being fabricated by using a thin-film patterning method, said thin film patterning method comprising the steps of:

forming at least one strippable film;

patterning said at least one strippable film by using focused ion beam;

forming a thin film to be patterned by using said patterned at least one strippable film; and

removing said patterned at least one strippable film.

19. A method of patterning a thin film comprising the steps of:

forming at least one strippable film on a surface of a first thin film to be patterned;

patterning said at least one strippable film and said first thin film to be patterned by using focused ion beam;

forming a second thin film to be patterned using said patterned at least one strippable film and said patterned first thin film to be patterned as a mask; and

removing said patterned at least one strippable film.

20. The method as claimed in claim 19, wherein said at least one strippable film is an insulating organic film.

21. The method as claimed in claim 19, wherein said at least one strippable film is a conductive organic film.

22. The method as claimed in claim 19, wherein said at least one strippable film is an insulating organic film and a conductive film formed on said insulating organic film.

23. The method as claimed in claim 22, wherein said conductive film is a grounded film

24. The method as claimed in claim 22, wherein said conductive film is a metallic material film.

25. The method as claimed in claim 22, wherein said conductive film is a conductive organic film.

26. A method of manufacturing a thin-film device, at least a part of a thin-film pattern being fabricated by using a thin-film patterning method, said thin film patterning method comprising the steps of:

forming at least one strippable film on a surface of a first thin film to be patterned;

patterning said at least one strippable film and said first thin film to be patterned by using focused ion beam;

forming a second thin film to be patterned using said patterned at least one strippable film and said patterned first thin film to be patterned as a mask; and

removing said patterned at least one strippable film.

27. A method of manufacturing a thin-film magnetic head, at least a part of a thin-film pattern being fabricated by using a thin-film patterning method, said thin film patterning method comprising the steps of:

forming at least one strippable film on a surface of a first thin film to be patterned;

patterning said at least one strippable film and said first thin film to be patterned by using focused ion beam;

forming a second thin film to be patterned using said

patterned at least one strippable film and said patterned  
first thin film to be patterned as a mask; and  
removing said patterned at least one strippable film.

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